

**BERNARD™**

# Semi-Automatic **MIG GUNS** & Consumables

[BernardWelds.com](http://BernardWelds.com)



# THE BERNARD DIFFERENCE

Bernard has designed and manufactured superior quality MIG guns and consumables for over 60 years, offering premium welding products for the most demanding industrial welding applications.

Customers have come to know and expect the durability, precision and quality that our line of semi-automatic air-cooled MIG guns deliver. Every welding application is different for every welder, and that's why Bernard allows you to configure a custom MIG gun tailored to fit any welding application.

## ***SEMI-AUTOMATIC AIR-COOLED MIG GUNS***

- Bernard™ Q-Gun™ Series
- Bernard S-Gun™ Series
- Bernard T-Gun™ Series (formerly Tregaskiss™ TOUGH GUN™ Semi-Automatic Series)
- Bernard TGX™ Series (formerly Tregaskiss TGX Series)

## ***SELF-SHIELDED FCAW***

- Bernard Dura-Flux™ Self-Shielded Guns

## ***FUME EXTRACTION MIG GUNS***

- Bernard FILTAIR™ Series Fume Extraction MIG Guns
- Bernard Clean Air™ Series MIG Guns

## ***SEMI-AUTOMATIC WATER-COOLED MIG GUNS***

- Bernard T-Gun Water-Cooled Series
- Bernard W-Gun™ Series

## ***MIG WELDING CONSUMABLES***

- Bernard Centerfire™ Consumables
- Bernard Quik Tip™ Consumables
- Tregaskiss TOUGH LOCK™ Consumables

## ***MANUAL WELDING PRODUCTS***

- Bernard Shortstub™ Stick Electrode Holder



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# AIR-COOLED & WATER-COOLED MIG GUNS

Choosing the right tool for the job is important! Our offering of MIG welding guns accommodates a variety of welding styles, preferences and applications. Take a look at our comparison chart to the right for more details.

## AIR-COOLED MIG GUNS



**Bernard T-Gun™ Series**  
*(formerly the Tregaskiss™ TOUGH GUN™  
Semi-Automatic Air-Cooled Series)*



**Bernard Q-Gun™ Series**



**Bernard S-Gun™ Series**



**Bernard TGX™ Series**  
*(formerly the Tregaskiss TGX Series)*

## WATER-COOLED MIG GUNS



**Bernard T-Gun Water-Cooled Series**  
*(formerly the Tregaskiss TOUGH GUN  
Semi-Automatic Water-Cooled Series)*



**Bernard W-Gun™ Series**



## AIR-COOLED MIG GUN COMPARISON CHART

FEATURES	T-Gun™ Series	Q-Gun™ Series	S-Gun™ Series	TGX™ Series
Handle Style	Straight	Curved	Curved	Straight
Amperages	350, 450, 550, 650	200, 300, 400, 500, 600	250, 300, 400, 500, 600	180, 260, 300, 400
Cable Lengths (feet)	8, 10, 12, 15, 20, 25	8, 10, 12, 15, 20, 25	8, 10, 12, 15, 20, 25	10, 12, 15
Wire Size Range*	.023" (0.6 mm) to 1/8" (3.2 mm)	.023" (0.6 mm) to 1/8" (3.2 mm)	.023" (0.6 mm) to 1/8" (3.2 mm)	.023" (0.6 mm) to 1/16" (1.6 mm)
Internal Cable Connection	Cone & Cone Nut	Cone & Cone Nut	Cone & Cone Nut	Crimp
Neck	Aluminum Armor	Aluminum Armor	Aluminum Armor	Polymer Armor
Warranty Length	180 Days	180 Days	180 Days	90 Days
Lifetime Warranty on Handles	✓			
Lifetime Warranty on Switches	✓			
Double-Life MIG Gun System	✓			
Optional Dual Schedule or Lock-On Trigger	✓	✓	✓	
Steel Monocoil Cable			✓	
Standard with Centerfire Consumables		✓	✓	
Standard with Tregaskiss™ TOUGH LOCK™ Consumables	✓			✓
Online Configurator	✓	✓	✓	✓

\* Some wire sizes are not compatible with all power cables.



## CHOOSE YOUR WEAPON

Bernard Q-Gun MIG Guns are designed from the ground up to solve problems, maximize productivity and improve your bottom line. Our Q-Gun MIG Guns are customizable to your specifications in order to get the job done right. Visit [BernardWelds.com/ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun) to build the gun that matches your welding application and personal preferences today!

### Q-GUN MIG GUN AMPERAGE RATINGS CHART

	100% CE	60% CE	
<b>Q200</b>	200	240	CO <sub>2</sub> Gas
	175	200	80% AR 20% CO <sub>2</sub>
<b>Q300</b>	320	370	CO <sub>2</sub> Gas
	270	310	80% AR 20% CO <sub>2</sub>
<b>Q400</b>	350	425	CO <sub>2</sub> Gas
	285	350	80% AR 20% CO <sub>2</sub>
<b>Q500</b>	420	480	CO <sub>2</sub> Gas
	370	420	80% AR 20% CO <sub>2</sub>
<b>Q600</b>	440	540	CO <sub>2</sub> Gas
	420	500	80% AR 20% CO <sub>2</sub>

- Multiple lightweight, comfortable handle options and easy-to-change trigger options allow MIG guns to be performance matched to user preference
- Back end with durable rigid strain relief; easily interchangeable power pins and trigger leads connect to wire feeders and machines from most major manufacturers
- Unicable equipped with Stay-Tite™ Technology and an internal gas hose that resists kinking while improving gas flow and feedability
- Fixed, rotatable or flexible necks available in a variety of different length options to improve operator comfort
- Contact tip options include the **Centerfire™** and **Quik Tip™** Series, which are available in wire sizes from 0.023" (0.6 mm) to 1/8" (3.2 mm)
- Amperage ratings at 100% duty cycle

#### ACCESSORIES:

Q-Neck Coupler & Grip, Specialty Necks, Lock-On Trigger Options, Dual Schedule Switch, Gun Hanger, Repair Kits

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ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun)



Q-Gun Series 200, 300 amp



Q-Gun with OXO™ Style Small Handle 200, 300, 400 amp



Q-Gun with OXO™ Style Large Handle 400, 500, 600 amp



#### POLISHED ALUMINUM-ARMOR

- 35% thicker than previous brass necks for increased durability

#### HANDLE

- Multiple lightweight and comfortable options

#### JUMP LINER

- Replaces only the most commonly worn liner area, minimizes inventory and downtime for changeover

#### TRIGGER

- Numerous easy-to-change trigger options

Q-Gun Series 400 amp



Bernard S-Gun MIG Guns feature a steel monocoil cable that consists of a lightweight steel coil that creates a conduit for gas flow and wire feed. Our S-Gun MIG Guns are built to withstand harsh environments such as shipyards and heavy construction sites.

## S-GUN MIG GUN AMPERAGE RATINGS CHART

	100% CE	60% CE	
<b>S250</b>	225	275	CO <sub>2</sub> Gas
	N/A	N/A	80% AR 20% CO <sub>2</sub>
<b>S300</b>	320	370	CO <sub>2</sub> Gas
	270	310	80% AR 20% CO <sub>2</sub>
<b>S400</b>	350	425	CO <sub>2</sub> Gas
	285	350	80% AR 20% CO <sub>2</sub>
<b>S500</b>	420	480	CO <sub>2</sub> Gas
	370	420	80% AR 20% CO <sub>2</sub>
<b>S600</b>	440	540	CO <sub>2</sub> Gas
	420	500	80% AR 20% CO <sub>2</sub>

- Available with small or large curved handles and easy-to-change trigger options
- Features a steel monocoil cable for superior wire feedability
- Unicable equipped with Stay-Tite™ Technology and an internal gas hose that resists kinking while improving gas flow and feedability
- Contact tip options include the **Centerfire™** and **Quik Tip™** Series, which are available in wire sizes from 0.023" (0.6 mm) to 1/8" (3.2 mm)
- Amperage ratings at 100% duty cycle



### ACCESSORIES:

Q-Neck Coupler & Grip, Specialty Necks, Lock-On Trigger Options, Dual Schedule Switch, Gun Hanger, Repair Kits

## NEW! BERNARD S-GUN 250 AMP MIG GUN

### VERSATILE AND DEPENDABLE TO IMPROVE WELDING PERFORMANCE

Our new S-Gun 250 amp MIG Gun is designed to reduce unnecessary downtime that can slow down the welding operation. This new S-Gun MIG Gun meets the needs of the shipbuilding and construction industries due to its locked rotatable neck, which cannot be easily removed by the welding operator, but is still readily serviceable by maintenance. The result is less time spent by welders at the beginning of a shift looking for or replacing MIG gun necks.



# BERNARD T-GUN™ SERIES

## **BERNARD T-GUN AIR-COOLED MIG GUNS**

### **PERFORMANCE GUNS FOR HEAVY-DUTY WELDING APPLICATIONS**

Built with durability in mind, the Bernard T-Gun Series (formerly the Tregaskiss™ TOUGH GUN™ Semi-Automatic Series) is ideal for heavy-duty MIG welding applications and has been used for years in high-volume production facilities around the world. These built-to-order MIG guns are designed for reliability in the harshest and most challenging welding environments.

- Aluminum-armored necks rated at 650 amps
- Virtually indestructible handles
- Front and rear metal strain relief
- Compatible with Tregaskiss **TOUGH LOCK™** Consumables, which are available in wire sizes from .023" (0.6 mm) to 1/8" (3.2 mm)

#### **UNICABLE DESIGN**

- Threaded cable connections result in easy maintenance of cable\* (also known as cone and cone-nut connections)
- Spare set of switch leads
- Tear resistant, burn resistant

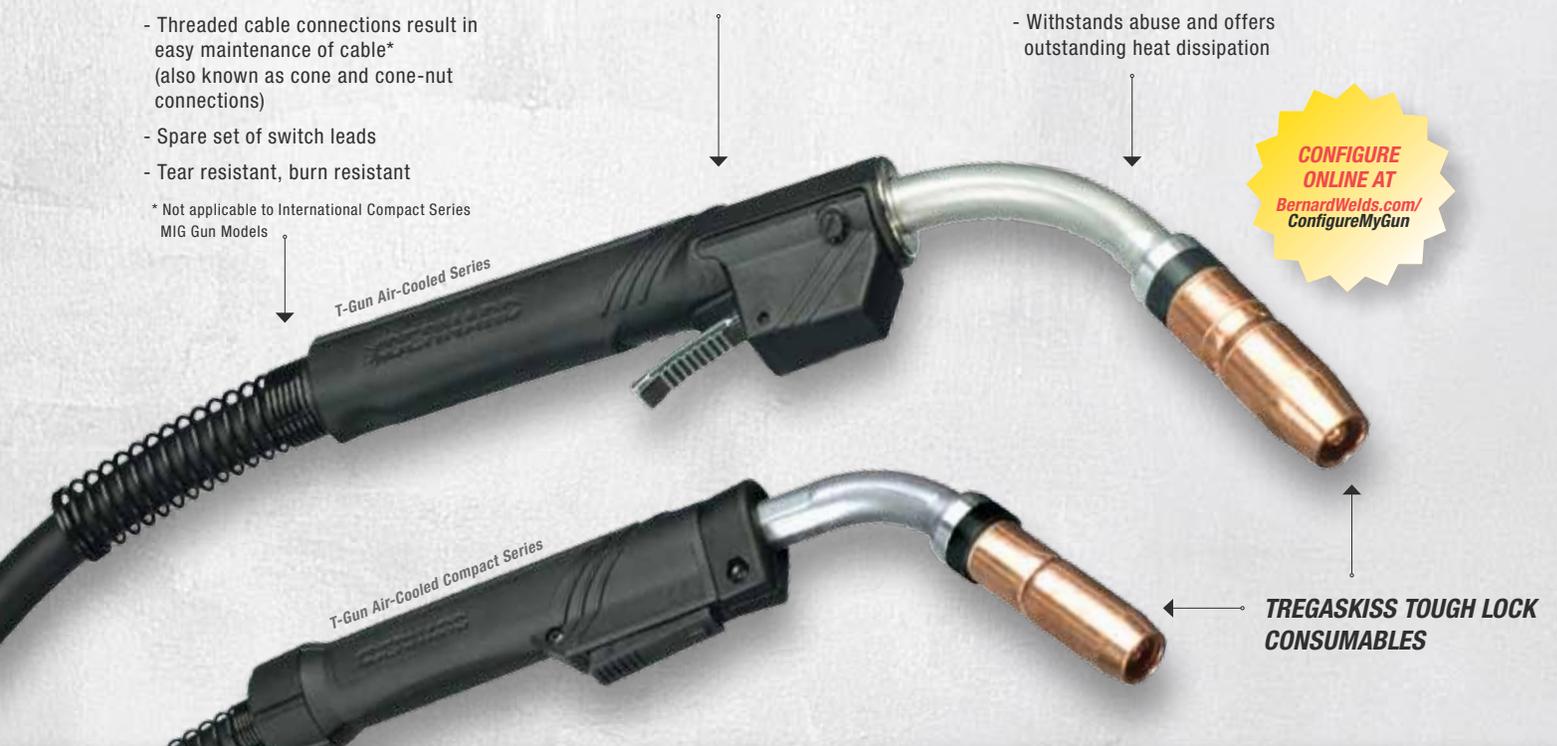
\* Not applicable to International Compact Series MIG Gun Models

#### **ERGONOMICALLY DESIGNED HANDLE**

#### **ALUMINUM-ARMORED NECK**

- Withstands abuse and offers outstanding heat dissipation

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ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun)



#### **ALL T-GUN MIG GUNS FEATURE:**

##### **Lifetime Warranty on Handles and Switches**

- Easy maintenance and reparability
- Comfortable and ergonomic handle design
- Switches can be positioned for finger or thumb activation

##### **Cable Strain Relief**

- Flexible steel spring guard on front and back handles
- Protects cable from kinking and abrasion while improving wire feedability

#### **ACCESSORIES:**

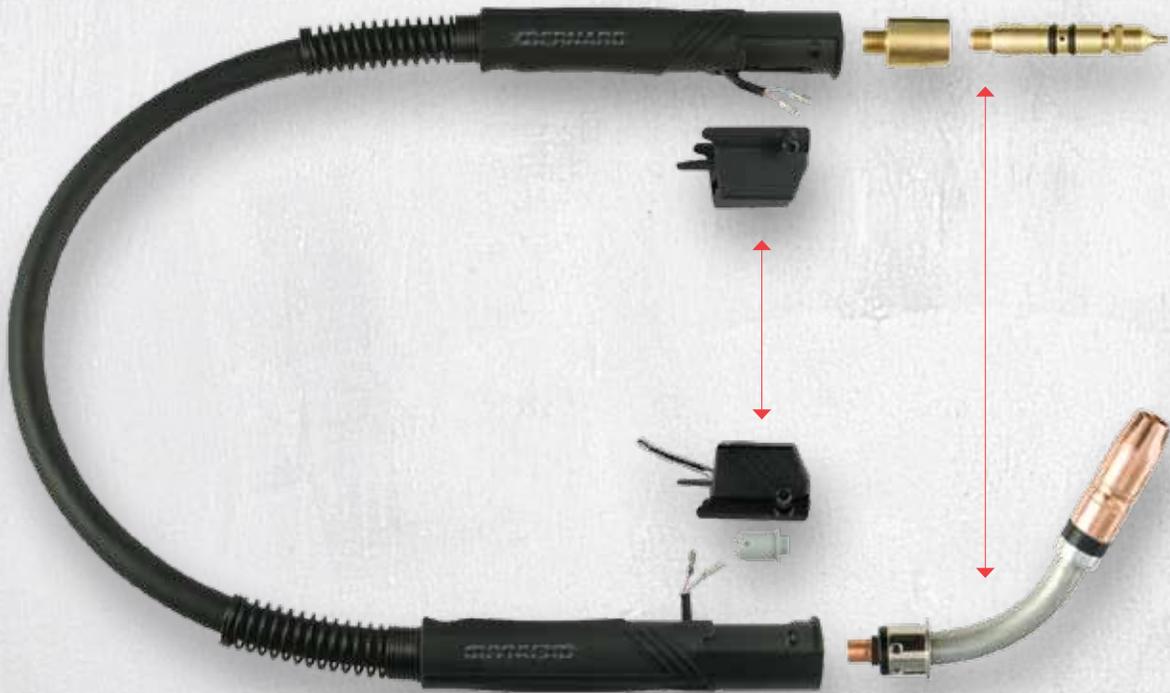
- Heat shield
- Gun hanger
- Neck guard
- Protective cable wrap
- Specialty nozzles
- Custom necks
- Lock-on trigger
- Dual schedule switch
- Control plug included
- Heavy-duty neck insulator
- Repair kits



## **DOUBLE-LIFE MIG GUN SYSTEM\***

The Bernard T-Gun™ Series features a Double-Life MIG Gun System, thanks to identical handles and internal connections on the front and back. Once the front end of the cable becomes worn, simply “flip-flop” the switch and neck from the front of the gun with the power pin on the back and get twice the life out of your MIG gun!

*\* Not applicable to Bernard, OXO™ and Euro power pin options. 650 amp option also not included.*



### **AMPERAGE RATINGS\*** NORTH AMERICAN MODELS

GUN MODEL	60% Duty Cycle – Mixed Gases or 100% Duty Cycle – CO <sub>2</sub>
350 amp	350
450 amp	450
550 amp	550
650 amp	650

\* Ratings are based on tests that comply with IEC 60974-7 standards.

### **AMPERAGE RATINGS\*** INTERNATIONAL MODELS

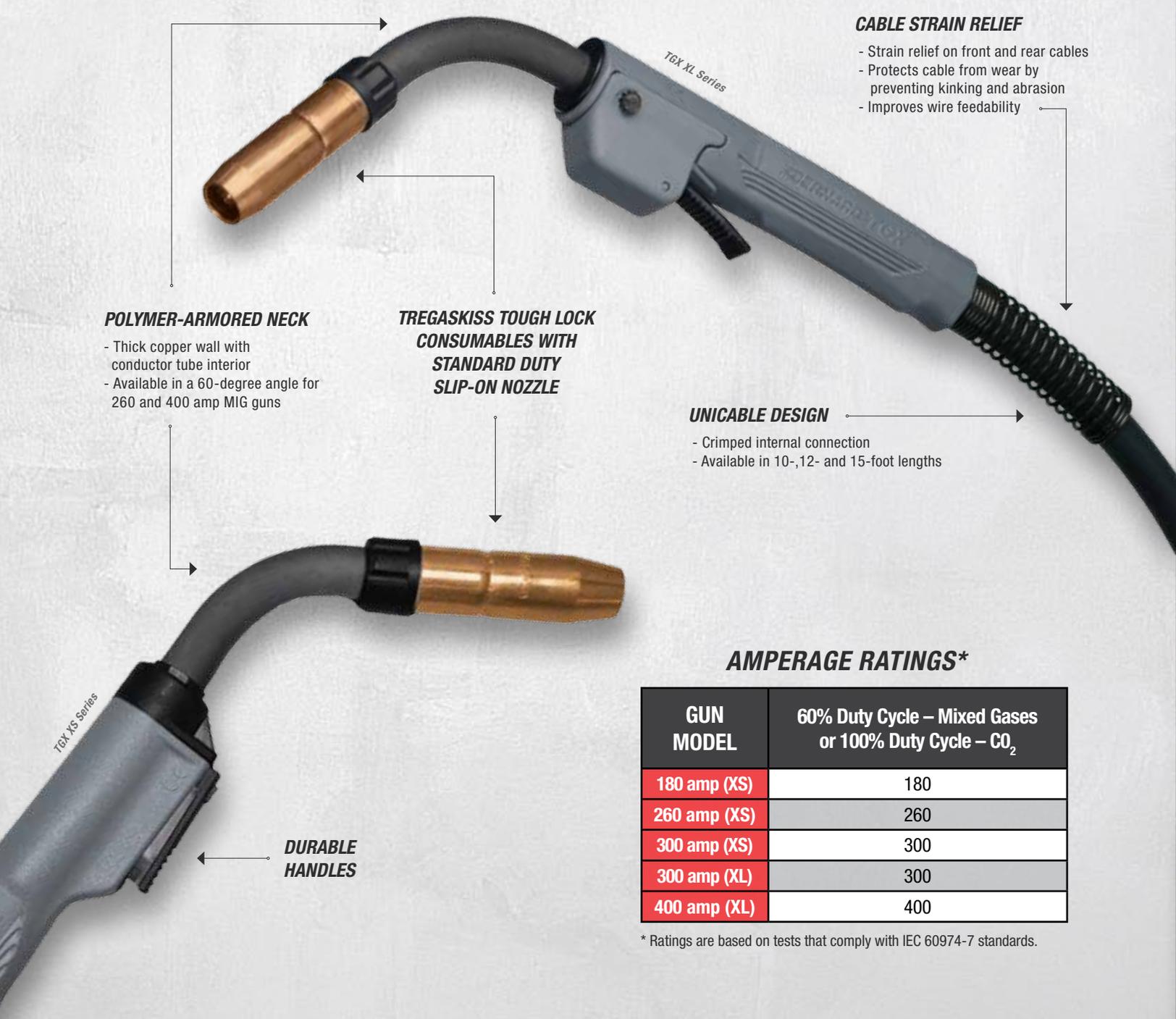
GUN MODEL	60% Duty Cycle	
	CO <sub>2</sub>	MIXED
SGB-20XX	200	150
SGB-30XX	300	250
SGB-32XX	350	300
SGB-40XX	400	300
SGB-50XX	500	350
SGB-60XX	600	400

NOTE: T-Gun MIG Gun models vary in International and North American markets. Select gun models may not be available in both markets.

# BERNARD TGX™ SERIES

## FOR LIGHT TO MEDIUM DUTY WELDING APPLICATIONS

The Bernard TGX Series (formerly the Tregaskiss™ TGX Series) is perfect for low volume, light to medium duty welding and is a durable, attractively priced choice. Ideally suited for lower amperage welding applications and shorter arc-on times, TGX MIG Guns are available in XS Series (180, 260, 300 amp) and XL Series (300, 400 amp) models and are compatible with Tregaskiss **TOUGH LOCK™** and Tregaskiss **TOUGH ACCESS™** Consumables.



### POLYMER-ARMORED NECK

- Thick copper wall with conductor tube interior
- Available in a 60-degree angle for 260 and 400 amp MIG guns

### TREGASKISS TOUGH LOCK CONSUMABLES WITH STANDARD DUTY SLIP-ON NOZZLE

### CABLE STRAIN RELIEF

- Strain relief on front and rear cables
- Protects cable from wear by preventing kinking and abrasion
- Improves wire feedability

### UNICABLE DESIGN

- Crimped internal connection
- Available in 10-, 12- and 15-foot lengths

### DURABLE HANDLES

## AMPERAGE RATINGS\*

GUN MODEL	60% Duty Cycle – Mixed Gases or 100% Duty Cycle – CO <sub>2</sub>
180 amp (XS)	180
260 amp (XS)	260
300 amp (XS)	300
300 amp (XL)	300
400 amp (XL)	400

\* Ratings are based on tests that comply with IEC 60974-7 standards.



## **BERNARD TGX™ EASY AS 1-2-3! PROGRAM**

The TGX Easy as 1-2-3! Program is a unique retail system that allows a TGX MIG Gun to be assembled to your exact specifications in your welding distributor's retail store. Distributors benefit from the program by being able to offer 150 different MIG gun combinations while reducing inventory by up to 75 percent.

**Answer the following quick and easy questions to determine which part numbers are required for your gun.**

### **QUESTION 1**

What amperage and cable length do you need?  
*Your answer determines the gun chassis you require.*

AMPERAGES	GUN LENGTHS		
	10'	12'	15'
<b>180 amp (XS)</b>	XS1810	XS1812	XS1815
<b>260 amp (XS)</b>	XS2610	XS2612	XS2615
<b>300 amp (XS)</b>	XS3210	XS3212	XS3215
<b>300 amp (XL)</b>	XL3010	XL3012	XL3015
<b>400 amp (XL)</b>	XL4010	XL4012	XL4015

### **QUESTION 2**

What wire feeder model are you using?  
*Your answer determines the feeder connection and control plug you require.*

FEEDER	POWER PIN PART#	EURO ADAP-TOR PART #	CONTROL PLUG PART #
<b>Hobart®</b>	214 (Tweco #4)	N/A	419-8
<b>Lincoln®</b>	214-2 (Lincoln)	N/A	419-6
<b>Miller®</b>	214-1 (Miller)	N/A	419-4
<b>Euro</b>	214 (Tweco #4)	417-65	419-8
	214-1 (Miller)	417-64	419-4

NOTE: Euro not available for 180 or 260 amp guns.

*If your feeder does not appear in the chart above, please contact Bernard Customer Service by email at [info@bernardwelds.com](mailto:info@bernardwelds.com) or by phone at 1-855-MIGWELD (644-9353).*

### **QUESTION 3**

What wire size are you using? *Your answer determines the contact tip and liner you require.*

WIRE SIZE *	TOUGH LOCK™ SD CONTACT TIP PART # **	TOUGH LOCK HD CONTACT TIP PART # ***	LINER PART #
<b>0.030" (0.8 mm)</b>	403-14-30-05	403-20-30-05	415-30-15
<b>0.035" (0.9 mm)</b>	403-14-35-05	403-20-35-05	415-35-15
<b>0.045" (1.2 mm)</b>	403-14-45-05	403-20-45-05	415-116-15
<b>1/16" (1.6 mm)</b>	N/A	403-20-116-05	415-116-15

\* 0.030" compatible with 180 amp only. 0.045" not compatible with 180 or 260 amp guns. 1/16" compatible with 400 amp only.

\*\* Standard-duty contact tips only compatible with 180 and 260 amp guns.

\*\*\* Heavy-duty contact tips not compatible with 180 or 260 amp guns.

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ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun)

## **BERNARD TGX READY TO WELD PROGRAM**

If you prefer a factory-built gun, the TGX Ready to Weld Program is the perfect solution. This program offers a variety of factory-assembled TGX MIG Guns that are ready to weld right out of the box. Just order the part number best suited to your welding application using our online configurator at [BernardWelds.com/ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun) or visit [BernardWelds.com/ReadyToWeld](http://BernardWelds.com/ReadyToWeld) to refer to the part number chart.

# BERNARD DURA-FLUX™ SERIES

## **A FLUX-CORED GUN BUILT FOR THE WAY YOU WELD**

Self-shielded flux-cored welding can be brutal on both you and your welding equipment. That's why Bernard designed the Dura-Flux MIG Gun to be extremely durable, yet comfortable to hold and use.

Our Dura-Flux MIG Guns meet the demanding needs and harsh environments of construction, shipbuilding, heavy manufacturing and rental applications. Triggers are non-metallic to absorb less heat. The triggers are also made with a sealed micro switch that helps keep out dust and dirt to provide a long-lasting work life.

Bernard now offers two lines of Dura-Flux Series Self-Shielded Flux-Cored MIG Guns. One gun features a replaceable power cable liner, while the other one features a fixed liner. Can't decide which application best suits your needs? See the comparison chart below:

Features	Dura-Flux with Replaceable Power Cable Liner	Dura-Flux with Fixed Power Cable Liner
350 amp	✓	✓
Internal Trigger Leads	✓	
Replaceable Liner	✓	
Fixed Liner		✓
Optional Dual Schedule Switch	✓	
Hi-Viz™ Neck	✓	
Quik Tip™ Contact Tips	✓	
Centerfire™ Contact Tips		✓
Wire Size 0.045" - 5/64"	✓	
Wire Size 1/16" - 3/32"		✓



## DURA-FLUX™ MIG GUNS WITH REPLACEABLE POWER CABLE LINER

- Internal trigger leads, which means no trigger cord to get caught on surrounding objects
- Replaceable power cable liner that allows quick and easy power cable maintenance
- Optional dual schedule switch allows wire speed adjustment while welding and is integrated into the handle to keep it protected from weld spatter
- Lightweight, rotatable Hi-Viz™ neck reduces user fatigue and improves weld visibility

### CONSUMABLES

- **Quik Tip Series** can be easily installed or changed over with a simple twist after a burnback

### OPTIONAL DUAL SCHEDULE SWITCH

- Allows for easy wire feed speed adjustment while welding

### NECK

- Lightweight, rotatable Hi-Viz neck reduces user fatigue and improves weld visibility

### INTERNAL TRIGGER LEADS

- Prevent the trigger cord from becoming tangled on surrounding equipment

### HANDLE

- Advanced molded handle design that helps reduce downtime associated with user fatigue

## DURA-FLUX MIG GUNS WITH FIXED POWER CABLE LINER

- Ultra heavy-duty steel monocoil power cables that are highly resistant to kinking for exceptional wire feed in abusive environments
- **Centerfire™** Contact Tips are easy-to-use, high performing and provide better arc starts, less spatter and more consistent welds — and last up to three times longer than most competitive brands
- Sleeved and aluminum-armored necks are available in multiple lengths for optimal accessibility and improved operator comfort
- Trigger is sealed from outside contaminants, is simple to replace and absorbs less heat than a metal trigger for long life, greater arc-on time and lower heat output



# BERNARD FUME EXTRACTION MIG GUNS

## **BERNARD FILTAIR™ FUME EXTRACTION MIG GUNS**

### **GET RIGHT TO THE SOURCE!**

Extract fumes with the Bernard FILTAIR Fume Extraction MIG Gun! Maintaining a clean working environment is important and Bernard understands the need for a reliable fume extraction solution.

- Vacuum control on front of handle allows balance of suction with shielding gas flow to protect against porosity
- Smaller, lightweight handle improves maneuverability and operator comfort
- Vacuum hose swivel on rear of handle improves flexibility and reduces wrist fatigue
- Suitable for use with solid and flux-core wires
- Compatible with vacuum systems from most major manufacturers
- Available in 300 and 400 amp models
- Available with **Centerfire™** or **Quik Tip™** Consumables that ensure reliable arc starting, help reduce spatter and are longer lasting than competitive brands
- Smaller vacuum chamber improves joint access and visibility
- Guns configured with a Miller® direct plug include a Miller FILTAIR vacuum hose adapter

### **CHROME-PLATED FRONT END**

- Resists spatter adhesion



### **SMALLER VACUUM CHAMBER**

- Improves joint access and visibility

### **ADJUSTABLE EXTRACTION CONTROL REGULATOR**

- Allows balance of suction with shielding gas flow to protect against porosity



## **HOW DOES THE BERNARD FILTAIR™ FUME EXTRACTION MIG GUN WORK?**

The new Bernard FILTAIR Fume Extraction MIG Gun is ideal for most solid and flux-core wire welding applications and is compatible with vacuum systems from major manufacturers. Weld fumes are captured at the front of the gun via the chrome-plated vacuum chamber, suctioned through the Bernard FILTAIR Gun handle and into the hose to a port on the vacuum system.

For ease of maneuverability and to reduce wrist fatigue, the gun's comfortable curved handle has a swivel connection to the vacuum hose. An adjustable extraction control at the front of the gun handle allows the welder to balance the suction with shielding gas flow to protect against porosity.

### **SMALLER, LIGHTER-WEIGHT HANDLE**

- Improves maneuverability and operator comfort

### **VACUUM HOSE SWIVEL**

- Improves flexibility and reduces wrist fatigue



## **BERNARD CLEAN AIR™ MIG GUNS HEAVY-DUTY FUME EXTRACTION MIG GUN**

The Bernard Clean Air MIG Gun helps create an efficient shop with reduced smoke and fumes and is ideal for almost any heavy-duty MIG welding application.

- Available in 400 and 600 amp models
- 45 degree neck bend for maximum feeding characteristics
- Chrome front end parts resists spatter adhesion
- Heavy-duty handle for maximum durability
- Available with **Centerfire™** Consumables for better arc starts



# BERNARD WATER-COOLED MIG GUNS

WEBSITE QUICKLINK:  
[BernardWelds.com/Water-Cooled](http://BernardWelds.com/Water-Cooled)



## **BERNARD W-GUN™ SERIES WATER-COOLED MIG GUNS**

Bernard W-Gun MIG Guns contain a flexible cable assembly with reinforced synthetic rubber hoses to prevent water leakage, provide increased water flow and reduce gas leakage. Heavy-duty necks are available in multiple lengths and bend configurations to allow for optimal weld accessibility and improved operator comfort. Multiple handle and trigger options are available as well to increase operator comfort.

- Water block with interchangeable direct plugs and trigger leads
- Durable and easily replaced power pin housing with a coolant hose strain relief
- Coolant channel keeps the consumables cool under high-amperage, high-heat applications
- Available in 600 amp models



## **BERNARD T-GUN™ WATER-COOLED SERIES MIG GUNS**

The Bernard T-Gun Water-Cooled Series (formerly the Tregaskiss™ TOUGH GUN™ Semi-Automatic Water-Cooled MIG Guns) are engineered for superior performance in production environments requiring extremely high-heat applications. All guns are built to order.

- Neck is insulated and armored with stainless steel to withstand abuse
- All neck joints are silver brazed and 100% leak tested
- Custom gun length options
- Available in 400 amp (compact series handle) and 600 amp models



# SPECIALTY NECKS

**WEBSITE QUICKLINK:**  
BernardWelds.com/SpecialtyNecks



If you are unable to reach your weld joints comfortably using one of our wide selection of standard necks, consider adding one of the following specialty necks or neck accessories to your Bernard MIG Gun:

## FLEX NECKS FOR BERNARD Q-GUN™ SERIES

- Save labor and time — change, rotate or bend neck to desired angle without tools
- Stay-Tite™ MIG gun connection improves conductivity for better weld quality, lessens heat to increase operator comfort
- Available in 6" and 8" lengths and are easily removable for jump liner changeover
- Compatible with Bernard **Centerfire™** or **Quik Tip™** Consumables



## FLEX NECKS FOR BERNARD T-GUN™ SERIES

- Bend angle up to 80 degrees
- Braided copper conductor tube
- Can be replaced without disturbing cable connections
- Compatible with select Tregaskiss™ **TOUGH LOCK™** and **TOUGH ACCESS™** Consumables



## Q-NECK COUPLER

- Designed to connect any two Q-Necks
- Provides flexibility and cost savings while minimizing the need for special-order necks



## Q-NECK GRIP FOR Q-GUN AND S-GUN™ SERIES

- High-temperature rubber sleeve
- Designed to reduce heat exposure and help user hold neck in a steady position
- Improves overall weld quality and reduces operator fatigue



## SPECIALTY NECKS

- Multiple lengths and bends available for limited access positions and improved operator comfort
- Available for Q-Gun, S-Gun, T-Gun Series
- Additional charges and/or extra lead times may apply





To assist you in selecting the consumable series that's compatible with your MIG gun, please consult the reference chart below:

## CONSUMABLES AND MIG GUN SERIES COMPATIBILITY CHART

	Centerfire™	Quik Tip™	Tregaskiss™ TOUGH LOCK™	Tregaskiss TOUGH ACCESS™
Q-Gun™ MIG Guns	✓	✓	CK	
S-Gun™ MIG Guns	✓	✓	CK	
T-Gun™ MIG Guns (air-cooled)	CK	CK	✓	✓
TGX™ MIG Guns	CK	CK	✓	✓
W-Gun™ MIG Guns	✓	✓		
T-Gun MIG Guns (water-cooled)			SP	
Bernard FILTAIR™ Fume Extraction Series	✓	✓		
Dura-Flux™ with Replaceable Power Cable Liner		✓		
Dura-Flux with Fixed Cable Liner	✓			

GUIDE: ✓ Compatible  
 SP Compatible, but may require special parts. Check Spec Sheet for details.  
 CK Compatible, but requires conversion kit

Are you looking for a particular feature or option in your consumable series? Please see the comparison chart below:

## CONSUMABLES COMPARISON CHART

	Centerfire™	Quik Tip™	Tregaskiss™ TOUGH LOCK™	Tregaskiss TOUGH ACCESS™
Standard Duty	✓	✓	✓	✓
Heavy Duty	✓	✓	✓	✓
“Drop in” Contact Tip (no threads)	✓			
Threaded Contact Tips		✓	✓	✓
Extra Heavy-Duty Tips Available			✓	
Tapered Tips Available	✓	✓	✓	✓
Chrome Zirconium Tips Available			✓	✓
Threaded Nozzles	✓	✓	✓	
Slip-on Nozzles		✓	✓	✓
Nozzle has Built-in Spatter Shield	✓			
Competitive Conversion Parts Available	✓	✓	✓	
Compact Size - Hard to Access Welds				✓
Taper Lock - Tip to Diffuser/Head	✓	✓	✓	✓
Taper Lock - Diffuser/Head to Neck			✓	

# BERNARD™ CENTERFIRE™ CONSUMABLES

**WEBSITE QUICKLINK:**  
BernardWelds.com/Centerfire



## SEE HOW IT ALL ADDS UP TO GREAT PERFORMANCE

Bernard believes that it's important to choose longer-lasting consumables to avoid replacement and rework, to provide better arc-on time and to improve your bottom line. Centerfire Series Consumables are easy-to-use and high performing. They provide better arc starts, less spatter and more consistent welds, while lasting up to three times longer than most brands.

- Centerfire Contact Tips are non-threaded and are held in place by the nozzle. These contact tips lock into place and remain centered even after hard use for better weld consistency.
- It's quick and easy to replace the tip during routine maintenance or after burnbacks. Simply unscrew the nozzle by hand, replace the tip and hand-tighten the nozzle back into place — no tools required.
- Consumables suitable for use in heavy-duty and light commercial applications.
- Centerfire Nozzles contain a built-in spatter shield that smoothes and concentrates gas flow for less weld oxidation and contamination.
- Centerfire Contact Tips can be rotated 360 degrees to create new wear surfaces and extended tip life.

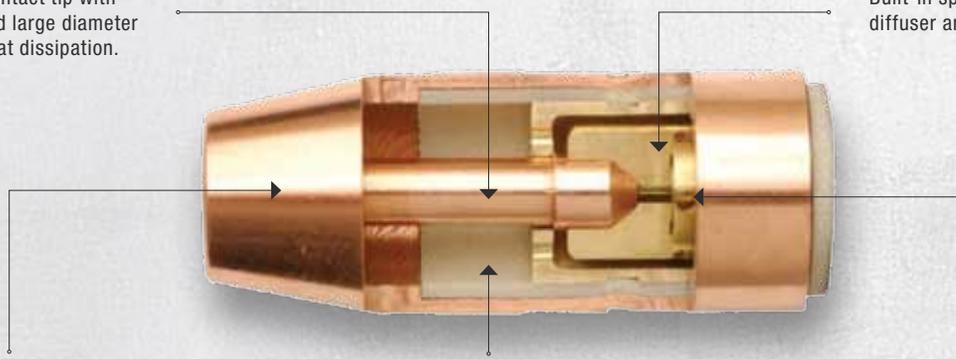
### Centerfire HD Series

Available for heavy-duty applications such as shipbuilding, fabrication and other heavy equipment manufacturing operations. Heavy-Duty Centerfire Nozzles feature a removable nozzle cone, thicker wall and a high-temperature insulator. The removable nozzle cone lowers downtime and consumables costs by allowing operators to replace only the cone (the most frequently damaged part of the nozzle) without removing and replacing the entire nozzle body for spatter removal.



Non-threaded contact tip with tapered base and large diameter seat for good heat dissipation.

Built-in spatter shield protects diffuser and improves gas flow.



Threaded nozzle keeps contact tip centered for better weld placement and less spatter.

Composite insulator extends life; withstands heat and abuse.

Diffuser mates securely with contact tip for better conductivity.

### DID YOU KNOW THAT YOU CAN USE CENTERFIRE CONSUMABLES ON YOUR AIR-COOLED T-GUN™ AND TGX™ MIG GUNS?

Please view the chart below for part numbers:

#### CENTERFIRE CONVERSION SERIES

Gun Model	Desired Nozzle	Adaptor	Insulator	Gas Diffuser
T-Gun & TGX Series	Small	N/A	4323R	DS-1T
	Large	N/A	4423R	D-1T

# TREGASKISS™ TOUGH LOCK™ CONSUMABLES

**WEBSITE QUICKLINK:**  
Tregaskiss.com/TOUGHLOCK



Use the Tregaskiss TOUGH LOCK Consumables to achieve lower operating costs and increase productivity! This system features the innovative TOUGH LOCK Contact Tip and Retaining Head and is compatible with the Bernard™ T-Gun™ and TGX™ Series MIG Guns.

TOUGH LOCK Contact Tips are precision machined using a process that tightly controls tip tolerances. TOUGH LOCK Retaining Heads feature Dual Taper Technology — tapers at both ends keep consumables locked from tip to neck — which improves weld consistency and heat dissipation for longer tip life and maximum performance.

## PERFORMANCE-IMPROVING FEATURES

- Locks gun from contact tip to the neck to prevent loosening due to vibration
- Locked consumables create more consistent welds
- Surface area contact between tightly locked consumables helps to maximize heat dissipation and tip life
- Easier contact tip removal and replacement when retaining head remains locked to the neck

## TREGASKISS NOZZLES

Tregaskiss Nozzles are designed for use with TOUGH LOCK Consumables. Engineered to be extremely durable and long-lasting, Tregaskiss Nozzles are made of hard-drawn copper or brass. The smooth surface finish and rounded edges help to minimize weld spatter build-up.

- Available in a wide variety of styles and materials
- Brass insert in nozzles maintains inner diameter and prevents rocking of nozzle
- High-temperature-resistant fiberglass insulator electrically insulates nozzle from the retaining head
- Heavy-duty crimp holds all three layers together

### CONTACT TIP

- Cooler tip temperature reduces wear and extends tip life

### DUAL-LEAD THREAD DESIGN

- 180 degree rotation of tip for extended tip life

### DUAL TAPER TECHNOLOGY

- Prevents tip and retaining head from loosening

### GREATER SURFACE AREA

- Increased contact between tip, head and neck maximizes heat dissipation



**DID YOU KNOW THAT YOU CAN USE TREGASKISS TOUGH LOCK CONSUMABLES ON YOUR BERNARD Q-GUN™ AND S-GUN™ MIG GUNS?**

Please view the chart below for part numbers:

## TREGASKISS TOUGH LOCK CONVERSION SERIES

Gun Model	Neck	TOUGH-LOCK Heavy-Duty Retaining Head	Neck Insulator	Adaptor
Q-Gun & S-Gun Series	N/A	404-44	402-14	N/A

# COMPETITIVE CONVERSION SERIES CONSUMABLES

**WEBSITE QUICKLINK:**  
BernardWelds.com/Conversion



**Not currently using a Bernard MIG Gun?** You can still experience immediate benefits from both lines of consumables. Our conversion parts allow you to convert most competitive guns to **Centerfire™** or Tregaskiss™ **TOUGH LOCK™** Consumables. Enhance performance and standardize consumables for all your gun brands to minimize inventory management costs.

## CENTERFIRE CONVERSION CHART

Gun Manufacturer	Gun Model	Desired Nozzle	Adaptor	Insulator	Gas Diffuser
Binzel®	ALPHA, ALPHA 4 Automatic	Large	Not Required	4323R	D-1B4
Lincoln®	Magnum 300, Magnum 400	Small	Not Required	4323R	DS-1T
		Large		4423R	D-1T
	Magnum Pro 300	Large		4323R	D-1LP3
Tweco®	160 Mini MIG	Small	1380020	4323R	DS-1
		Large	1380020	10012	D-1
	No. 3, No. 4 Tuff-n-Lite, Supra XT (HD Consumables)	Small	Not Required	4323R	DS-1T
		Large		4423R	D-1T
	SprayMaster 450	Small	Not Required	4323R (2 required)	DS-1T
		Large		4423R	D-1T
	ELC 250, ELC 350, SprayMaster 250, SprayMaster 350	Small	1380012	4323R	DS-1
		Large	1380012	10012	D-1

NOTE: More options available at BernardWelds.com/Conversion.



## TREGASKISS TOUGH LOCK CONVERSION CHART

Gun Manufacturer	Gun Model	Gun Neck	TOUGH LOCK Heavy Duty Retaining Head	Neck Insulator	Adaptor	QUICK LOAD™ Liner Retainer
Binzel	ALPHA	N/A	404-46	402-11	N/A	N/A
Lincoln	Lincoln Magnum 300	KP1929 / KP1928 / KP1941	404-20	402-14	N/A	N/A
	Lincoln Magnum 400					
Tweco	Tweco #3	63J-60	404-20	402-14	N/A	415-37*
	Tweco #4	64J-60				
	SprayMaster 350	MS63-60				
	SprayMaster 450	MS64H-60				
	Weldskill 400	64A-60				
	Mini MIG	N/A	N/A	402-19	404-64	N/A

NOTE: The 404-20 Tregaskiss TOUGH LOCK Retaining Head will fit on most necks with an external 9/16" -18 thread, regardless of angle.

\* Order the 415-37 Tregaskiss QUICK LOAD Liner Retainer to use Tregaskiss QUICK LOAD Liners for wire sizes .030" through 5/64".



# ADDITIONAL CONSUMABLES

## WEBSITE QUICKLINKS:

[BernardWelds.com/QuikTip](http://BernardWelds.com/QuikTip)

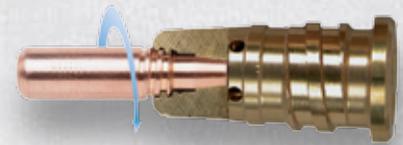
[Tregaskiss.com/TOUGHACCESS](http://Tregaskiss.com/TOUGHACCESS)



## **BERNARD™ QUIK TIP™ CONSUMABLES**

Bernard Quik Tip Contact Tips are designed with a threaded taper lock that increases tip life by providing excellent heat transfer and electrical conductivity.

- In case of burnback, a quick twist will get you back on the job within moments
- Quik Tip Gas Diffusers have positive nozzle stops to secure Quik Tip Contact Tips in a fixed position for superior repeatability and consistent, quality welds
- Quik Tip Nozzles are available in two styles — threaded or slip-on — with a variety of orifice diameters for optimal shielding gas coverage



A quick twist is all it takes to install Quik Tip Contact Tips.

### **Quik Tip HD Series**

Bernard Quik Tip HD Series features a two-piece nozzle comprised of a nozzle cone and nozzle body. The removeable nozzle cone lowers downtime and consumable cost by allowing replacement of the cone (the most frequently damaged part of the nozzle) without removing and replacing the entire nozzle. Bernard Quik Tip HD Consumables are designed for heavy-duty applications such as shipbuilding, trailer fabrication and other heavy equipment manufacturing operations.



## **TREGASKISS™ TOUGH ACCESS™ CONSUMABLES**

### **WORRIED ABOUT FITTING IN THOSE HARD-TO-REACH PLACES?**

Tregaskiss TOUGH ACCESS Consumables are a sleek line of welding consumables.

- Allow entry into difficult crevices that would otherwise be inaccessible due to complex fixture or weldment design
- Compatible with Tregaskiss TOUGH LOCK™ Contact Tips
- Available in straight bore and bottleneck styles



# CONVENTIONAL LINERS & JUMP LINERS

## **BERNARD CONVENTIONAL LINERS**

Bernard Conventional Liners won't gap when bent and provide simple replacement without gas diffuser set-screw for reduced downtime.

## **TREGASKISS™ CONVENTIONAL LINERS**

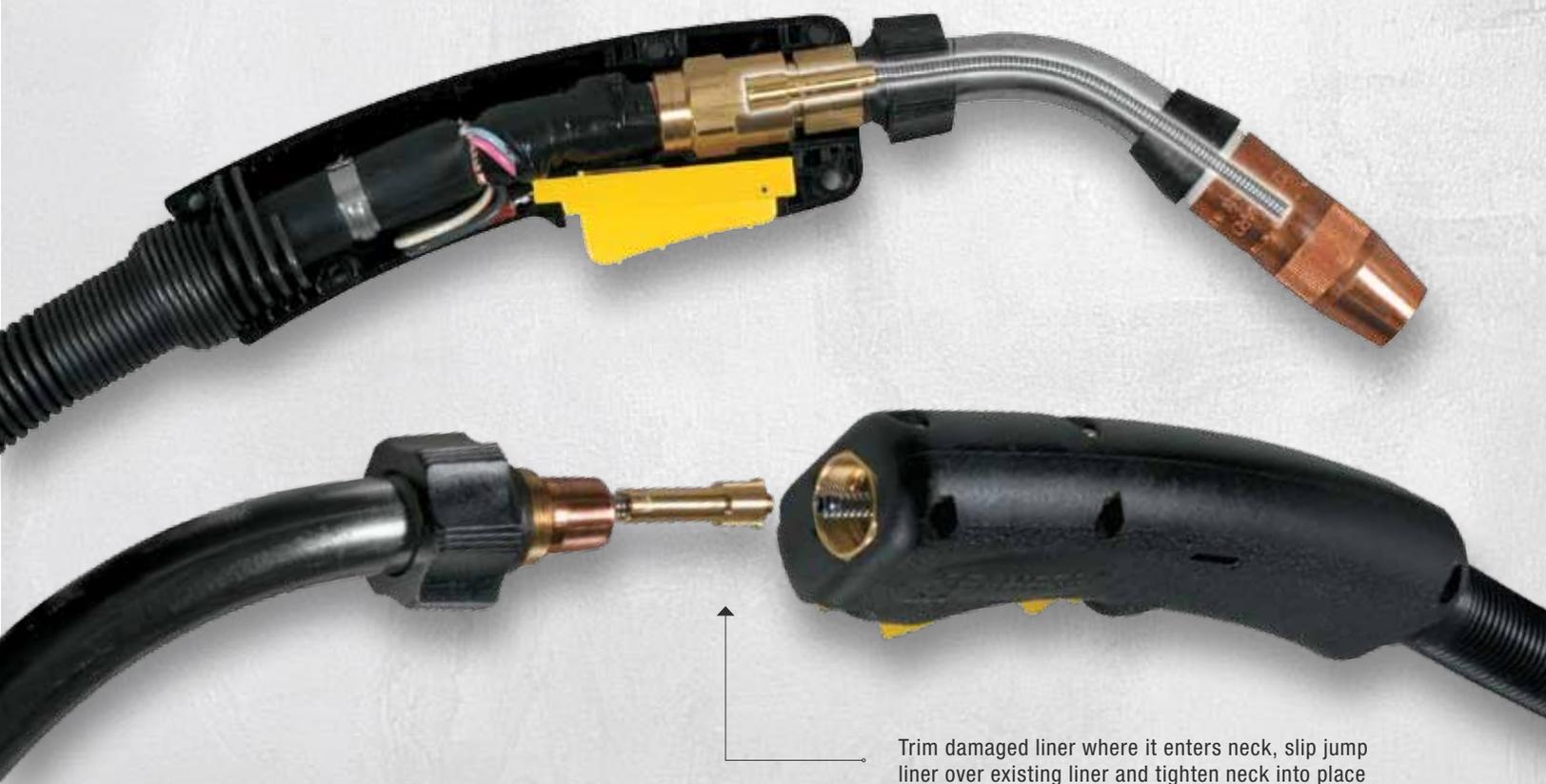
Conventional Liners from Tregaskiss thread in from the rear of the gun with no need for set screws. Conventional Liners are made of high carbon music wire for smooth wire feed and long life. Liners are available in lengths up to 25' (7.6 m) for various wire sizes.



## **BERNARD JUMP LINERS**

**VERY COST-EFFECTIVE AND GETS YOU BACK ON THE JOB WITHIN MINUTES!**

Jump Liners replace only the most commonly worn and clogged liner area to reduce the amount of time a gun is offline and to minimize inventory. These jump liners enable quick and easy neck change-out so guns can be easily adapted to fit multiple applications. The Bernard Jump Liners connect with standard liners at the base of the neck and run through the most commonly worn area up to the contact tip. Jump Liners are available in sizes to fit 0.023" to 1/16" wire.



# TREGASKISS™ QUICK LOAD™ LINERS

WEBSITE QUICKLINK:  
[Tregaskiss.com/QUICKLOAD](http://Tregaskiss.com/QUICKLOAD)



## **SAVE TIME AND MONEY BY LOADING YOUR LINERS FROM THE FRONT!**

Compatible with the Bernard™ T-Gun™ Series, the Tregaskiss QUICK LOAD Liners require less than half the time and effort for installation when compared to conventional liners and are available in lengths up to 25'.

A Tregaskiss QUICK LOAD Liner Retainer must be purchased separately and installed in the power pin on the first use of a Tregaskiss QUICK LOAD Liner.

### **A quick installation is all it takes!**

The two-piece system allows replacement to occur through the neck of the MIG gun while it remains attached to the feeder.

### **MAINTENANCE MADE EASY!**

- No need to cut and waste wire!
- Available for T-Gun Series
- Avoid having to remove MIG gun from wire feeder
- Include a range of wire sizes from .023" to 3/32"
- Liners trimmed too long or too short can cause serious wire feeding issues. Be sure to use your liner gauge as instructed to trim the liner to the correct stick-out.



Remove front-end consumables and slide liner over wire, using it as a guide.



For initial installation, retainer must be installed inside the power pin

After retainer is installed, all future replacements will be done from the front of MIG gun

# TREGASKISS™ QUICK LOAD™ LINER AUTOLENGTH™ SYSTEM

WEBSITE QUICKLINK:  
[Tregaskiss.com/AutoLength](http://Tregaskiss.com/AutoLength)



## **NEW TECHNOLOGY!**

The QUICK LOAD Liner AutoLength System is designed to minimize downtime, wire feeding and quality issues commonly associated with the liner being cut to an incorrect length. This new system is designed specifically for use with QUICK LOAD Liners.

**PROBLEM:** Wire feeding challenges caused by liners that are too short result in inefficiency of the welding process and undesirable downtime

**SOLUTION:** A system upgrade to this new innovative product compensates for liners that are too short to help improve welding efficiency and reduce costly downtime

- Allows for up to 1" (2.54 cm) forgiveness
- Accommodates liner movement during welding
- Reduces issues caused by the liner being cut to an incorrect length
- Decreases burnbacks caused by misalignment between the liner and contact tip
- Improves wire feedability by enhancing wire alignment with the contact tip



## **HOW DOES IT WORK?**

Housed inside the power pin, this spring-loaded module applies constant pressure on the liner. This ensures that the liner remains seated properly in the retaining head and also allows for up to 1" forgiveness if the liner is cut too short.



Watch this new product demonstration at  
[YouTube.com/TregaskissWelds](https://www.youtube.com/TregaskissWelds)



# BERNARD™ MANUAL PRODUCT/ ADDITIONAL RESOURCES

WEBSITE QUICKLINK:  
BernardWelds.com/ManualProducts



Our manual welding products are high quality and come in a wide range of styles, sizes and capacities to enhance your welding applications. One of the first products Bernard ever introduced was the Shortstub™ Stick Electrode Holder, and it's still satisfying our customers today!

## SHORTSTUB STICK ELECTRODE HOLDER

- Electrodes can be used to within 1" of the high-impact head, compared with the normal 3" of the electrode that is left over when using a typical tong-type holder
- Long product lifespan due to the replaceable head
- Over 2,000 pounds of gripping pressure enables the electrode to be bent to a desired shape for access to difficult welds
- Improves productivity because it's designed for quick, easy installation of electrodes

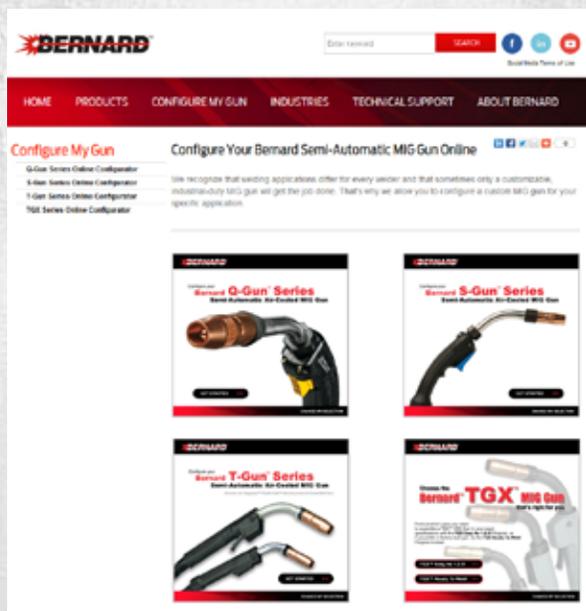


## CONFIGURE YOUR MIG GUN ONLINE TODAY!

Configure the right semi-automatic MIG gun for your welding application today. Build your Q-Gun™, S-Gun™, or T-Gun™ Series MIG Gun online, or if you're looking for a light to medium duty MIG welding gun, you can also find the right TGX™ MIG Gun at [BernardWelds.com/ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun).

### GET STARTED!

Select your model, choose your amperage, cable length, handle, trigger, neck, contact tip, wire size and power pin



Build your part number



Request a quote or print this page

# ADDITIONAL RESOURCES

## **NEW! GET SOCIAL WITH BERNARD**

Check us out on YouTube at [YouTube.com/TheBernardDifference](https://www.YouTube.com/TheBernardDifference) and follow us on LinkedIn at [LinkedIn.com/company/Bernard-Welding](https://www.Linkedin.com/company/Bernard-Welding). Find us on Facebook at [Facebook.com/BernardWelds](https://www.Facebook.com/BernardWelds). Join our online community today!

## **AMPERAGE** (E-NEWSLETTER)

This electronic publication features an assortment of valuable welding and business management information, new product sneak peeks, announcements, and fun, interactive trivia, contests and more! Sign up for your FREE subscription at [BernardWelds.com/Amperage](https://www.BernardWelds.com/Amperage).

## **EQUIP TO WELD**

### **CONFIGURE YOUR INDUSTRIAL SYSTEM**

#### ***Bernard and Miller Are Welded Together!***

Miller integrates Bernard Q-Gun™, T-Gun™, Dura-Flux™ and TGX™ MIG Guns, along with Centerfire™ and Tregaskiss™ TOUGH LOCK™ Consumables, on industrial wire feeder products and MIG systems. Visit [MillerWelds.com/equiptoweld](https://www.MillerWelds.com/equiptoweld) to configure your industrial system.

## **BERNARDWELDS.COM**

For immediate access to the most up-to-date information, visit us online!

- Locate your nearest Bernard Authorized Distributor at [BernardWelds.com/locator](https://www.BernardWelds.com/locator)
- Find product literature, spec sheets and troubleshooting information
- Literature available for download, or complete our online Literature Request Form to have it mailed straight to your door!
- Purchase Bernard gear at our online company store

## **QUESTIONS?**

Email us at [info@bernardwelds.com](mailto:info@bernardwelds.com)



# SEMI-AUTOMATIC MIG GUNS AND CONSUMABLES FOR THE MOST DEMANDING WELDING APPLICATIONS

We recognize that welding applications differ for every welder and that sometimes only a customizable, industrial-duty MIG gun will get the job done. That's why we allow you to configure a MIG gun for your specific application online at [BernardWelds.com/ConfigureMyGun](http://BernardWelds.com/ConfigureMyGun).



## Semi-Automatic MIG Guns

*Prefer a curved or a straight handle MIG gun?* We now offer both:

- Bernard™ Q-Gun™ and S-Gun™ Series Curved Handle MIG Guns
- Bernard T-Gun™ and TGX™ Series Straight Handle MIG Guns  
(formerly Tregaskiss™ Semi-Automatic MIG Guns)

## Fume Extraction MIG Guns

**NEW!** Bernard FILTAIR™ Fume Extraction MIG Guns

## Self-Shielded Flux-Cored Guns

**NEW!** Bernard Dura-Flux™ Guns with Replaceable Power Cable Liner

## Centerfire™ Consumables

Revolutionary consumables system includes nozzles, contact tips and diffusers

*Subject to Change - The information presented in this catalog is accurate to the best of our knowledge at the time of printing. Please visit [Bernardwelds.com](http://Bernardwelds.com) for the most up-to-date information.*



An ITW Welding company  
449 West Corning Road, Box 667, Beecher, IL 60401 USA  
Toll Free (Canada and USA): 1-855-MIGWELD (1-855-644-9353)  
International: 1-519-737-3030 Fax: 1-708-946-6726  
**BernardWelds.com**

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